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- (New) The method of claim 41, wherein said polypeptide is fused to polyethylene 42. glycol.
- (New) The method of claim 41, wherein said polypeptide is fused to a heterologous 43. polypeptide.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 44. sequence of SEQ ID NO:23.
- 45. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO: 24.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 46. sequence of SEQ ID NO:25.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 47. sequence of SEQ ID NO:26.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 48. sequence of SEQ ID NO:27.
- (New). The method of claim 41, wherein said polypeptide consists of the amino acid 49. sequence of SEQ ID NO:28.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 50. sequence of SFQ ID NO:29.
- (New). The method of claim 41, wherein said polypeptide consists of the amino acid 51. sequence of SEQ ID NO:30.

- 52. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:31.
- 53. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:32.
- 54. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:33.
- 55. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:34.
- 56. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:35.
- 57. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:36.
- 58. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:37.
- 59. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:38.
- 60. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:39.
- 61. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:40.

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- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 62. sequence of SEQ ID NO:41.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 63. sequence of SEQ ID NO:42.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 64. sequence of SEQ ID NO:43.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 65. sequence of SEQ ID NO:44.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 66. sequence of SEQ ID NO:45.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 67. sequence of SEQ ID NO:46.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 68. sequence of SEQ ID NO:47.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 69.sequence of SFQ ID NO:48.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid  $\neg_{()}$ sequence of SEQ ID NO:49.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid -<sub>1</sub>. sequence of SEQ ID NO:50.

- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 72. sequence of SEQ ID NO:51.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 73. sequence of SEQ ID NO:52.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 74. sequence of SEQ ID NO:53.
- 75. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:54.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 76. sequence of SEQ ID NO:55.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 77. sequence of SEQ ID NO:56.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 78. sequence of SEQ ID NO:57.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 79. sequence of SEQ ID NO:58.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid 80 sequence of SFQ ID NO:59.
- 81. (New). The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO 60.

- 82. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:61.
- 83. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:62.
- 84. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:63.
- 85. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:64.
- 86. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:65.
- 87. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:66.
- 88. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:67.
- 89. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:68.
- 90. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:69.
- 91. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:70.

- 92. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:71.
- 93. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:72.
- 94. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:73.
- 95. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:74.
- 96. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:75.
- 97. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:76.
- 98. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:77.
- (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:78.
- 100. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO: 79.
- 101. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SLQ ID NO:80

- 102. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:81.
- 103. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:82.
- 104. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:83.
- 105. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:84.
- 106. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:85.
- 107. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:86.
- 108. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:87.
- 109. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:88.
- 110. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:89.
- 111. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:90.

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- 112. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:91.
- 113. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:92.
- 114. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:93.
- 115. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:94.
- 116. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:95.
- 117. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:96.
- 118. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:97.
- 119. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:98.
- 120. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:99.
- 121. (New). The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:100.

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- 122. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:101.
- 123. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:102.
- 124. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:103.
- 125. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:104.
- 126. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:105.
- 127. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:106.
- 128. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:107.
- 129. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:108.
- 130. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:109.
- 131. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:110.

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- 132. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:111.
- 133. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:112.
- 134. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:113.
- 135. (New) The method of claim 41, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:114.
- 136. (New) A method of inhibiting the activation or mobilization of basophils in an individual in need thereof comprising administering to said individual a therapeutically effective amount of a polypeptide consisting of an amino acid sequence shown in any one of SFQ ID NOs:23-114.
- 137. (New) The method of claim 136, wherein said polypeptide is fused to polyethylene glycol.
- 138. (New) The method of claim 136, wherein said polypeptide is fused to a heterologous polypeptide.
- 139. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:23.
- 140. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO: 24.

- (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:25.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 142. sequence of SEQ ID NO:26.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 143. sequence of SEQ ID NO:27.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 144. sequence of SEQ ID NO:28.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 145. sequence of SEQ ID NO:29.
- (New) The method of claim 136, wherein said polypeptide consists of the amino 146. acid sequence of SEQ ID NO:30.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 147. sequence of SEQ ID NO:31.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 148. sequence of SEQ ID NO:32.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 149. sequence of SFQ ID NO:33.
- (New). The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID XO.34.

- 151. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:35.
- 152. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:36.
- 153. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:37.
- 154. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:38.
- 155. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:39.
- 156. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:40.
- 157. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:41.
- 158. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:42.
- 159. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:43.
  - 160. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:44.

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- (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:45.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 162. sequence of SEQ ID NO:46.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:47.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 164. sequence of SEQ ID NO:48.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:49.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 166. sequence of SEQ ID NO:50.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 167. sequence of SEQ ID NO:51.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 168. sequence of SEQ ID NO:52.
- (New). The method of claim 136, wherein said polypeptide consists of the amino acid 169. sequence of SEQ ID NO:53.
- (New). The method of claim 136, wherein said polypeptide consists of the amino acid 170. sequence of SEQ ID NO:54.

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- 171. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:55.
- 172. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:56.
- 173. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:57.
- 174. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:58.
- 175. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:59.
- 176. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:60.
- 177. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:61.
- 178. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:62.
- 179. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:63.
- 180. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:64.

- 181. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:65.
- 182. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:66.
- 183. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:67.
- 184. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO 68.
- 185. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:69.
- 186. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:70.
- 187. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:71.
- 188. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:72.
- 189 (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:73.
- 100. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO.74.

- 191. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:75.
- 192. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:76.
- 193. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:77.
- 194. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:78.
- 195. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:79.
- 196. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:80.
- 197. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:81.
- 198. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:82.
- 199. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SLQ ID NO:83.
- 200. (New). The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SLQ ID NO.84.

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- (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:85.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 202. sequence of SEQ ID NO:86.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:87.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 204. sequence of SEQ ID NO:88.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 205. sequence of SEQ ID NO:89.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 206. sequence of SEQ ID NO:90.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 207. sequence of SEQ ID NO:91.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 208. sequence of SEQ ID NO:92.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 209. sequence of SFQ ID NO-93.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 210.sequence of SFQ ID NO:94.

- (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:95.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 212. sequence of SEQ ID NO:96.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 213. sequence of SEQ ID NO:97.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 214. sequence of SEQ ID NO:98.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 215. sequence of SEQ ID NO:99.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 216. sequence of SEQ ID NO:100.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 217. sequence of SEQ ID NO:101.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 218. sequence of SFQ ID NO:102.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 219. sequence of SEQ ID NO:103.
- (New) The method of claim 136, wherein said polypeptide consists of the amino acid 220. sequence of SEQ ID NO:104

- 221. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:105.
- 222. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:106.
- 223. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:107.
- 224. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:108.
- 225. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:109.
- 226. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SFQ ID NO:110.
- 227. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:111.
- 228. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:112.
- 229. (New) The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO:113.
- 230. (New). The method of claim 136, wherein said polypeptide consists of the amino acid sequence of SLQ ID NO 114.